

DATASHEET

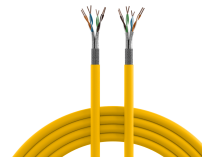
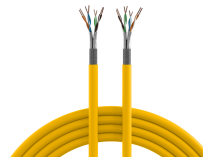
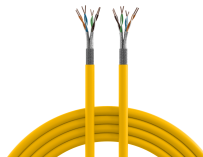
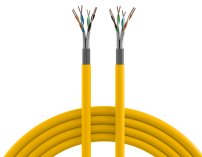
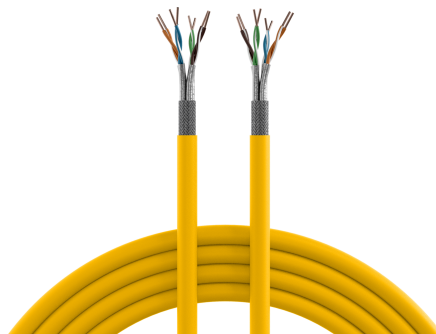
INFRALAN® Cat.7A 1250 AWG23 S/FTP 4P CPR Cca rape yellow RAL1021, 100m



FRNC-C



DELTA



General data

The INFRALAN® installation cable 99985.x-CPR is constructed for transmissions up to **1250 MHz** and exceeds with the electrical transmission properties and requirements of the category 7A. Suitable for structured cabling of Class E, EA, F and FA according to ISO/IEC 11801 (AMD 2:2009) resp. EN 50173-1 (2009). With this cable transmission rates up to 10 GBit according to IEEE 802.3 are possible.

Technical properties

AWG-size	23/1
Armour	none
Bending radius (dynamic)	60 mm
Cable	IEC 61156-6
Cable silicone free	True
Cable structure	S/FTP
Cable type	EFB Cat.7A S/FTP 1250 AWG23 Cca
Cabling standards	ISO/IEC 11801
Category	7A
Characteristic impedance	100 ± 5 Ohm
Conductor category	Class 1 = solid

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Conductor material	Copper, tinned
Core identification	Colour
Core insulation	Foam-Skin-PE
Coupling attenuation	≥ 80 dB
Diameter conductor	0.56 mm
Directive/Regulation	RoHS 2011/65/UE
Euro class	Cca
Flame retardant	acc. to EN 60332-1
Halogen free	acc. to EN 60754-1/2
Harmonised Standard	EN 50575
Installation standard	EN 50174
Insulation resistance (500V)	≥ 5000 MOhm/km
Loop resistance	140 Ohm/km
Low smoke	acc. to EN 61034
Material outer sheath	FRNC-B
Max. Frequency	MHz MHz
NVP value	78 %
Operating capacity	43 pF/km
Operating temperature, fix	-20 - 60 °C
Operating temperature, flexible	0 - 50 °C
Operating temperature, storage	-20 - 60 °C
PoE	acc. to IEEE802.3af PoE
Resistance unbalance	2 %
Screen over stranding	braiding
Screen over stranding element	Foil
Separation class acc. EN50174-2	D
Stranding element	Pairs
Test voltage DC, 1 min	1000 V
Transmission standards	IEEE 802.3 10Mbit bis 10Gbit
UV resistant	no

Available variants

ArtNr.	Bezeichnung	Colour outer sheath	Number Length of cores	RAL colour	Type	Copper weight	Weight	Max. tractive force	Outer diameter approx.	Fire load
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99985.1-CPR	INFRALAN® Cat.7A 1250 AWG23 S/FTP 4P CPR Cca rape yellow RAL1021	Colza yellow	1.0 m	8	RAL 1021	simplex	32 kg/km	62 kg/km	95 N	7.7 mm	640 MJ/m
99985.100-CPR	INFRALAN® Cat.7A 1250 AWG23 S/FTP 4P CPR Cca rape yellow RAL1021, 100m	Colza yellow	100.0 m	8	RAL 1021	simplex	32 kg/km	62 kg/km	95 N	7.7 mm	640 MJ/km
99985.500-CPR	INFRALAN® Cat.7A 1250 AWG23 S/FTP 4P CPR Cca rape yellow RAL1021, 500m	Colza yellow	500.0 m	8	RAL 1021	simplex	32 kg/km	62 kg/km	95 N	7.7 mm	640 MJ/km
99985DX.500-CPR	INFRALAN® Cat.7A 1250 AWG23 S/FTP 2x4P CPR Cca rape yellow RAL1021, 500m	Colza yellow	500.0 m	2x8	RAL 1021	duplex	64 kg/km	124 kg/km	190 N	7.7 x 16.1 mm	1280 MJ/km

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

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